# Parts Management Data Sharing Demonstration

## "Building Upon Success"

**This presentation consists of L-3 Communications, Communication Systems-West general capabilities information that does not contain controlled technical data as defined within the International Traffic in Arms Regulations (ITAR) Part 120.10 or Export Administration Regulations (EAR) Part 734.7-11.**

# Parts Management / Data Sharing Demonstration

## *The Team*

LMI

Complex Problems. Practical Solutions.

DEFENSE LOGISTICS AGENCY

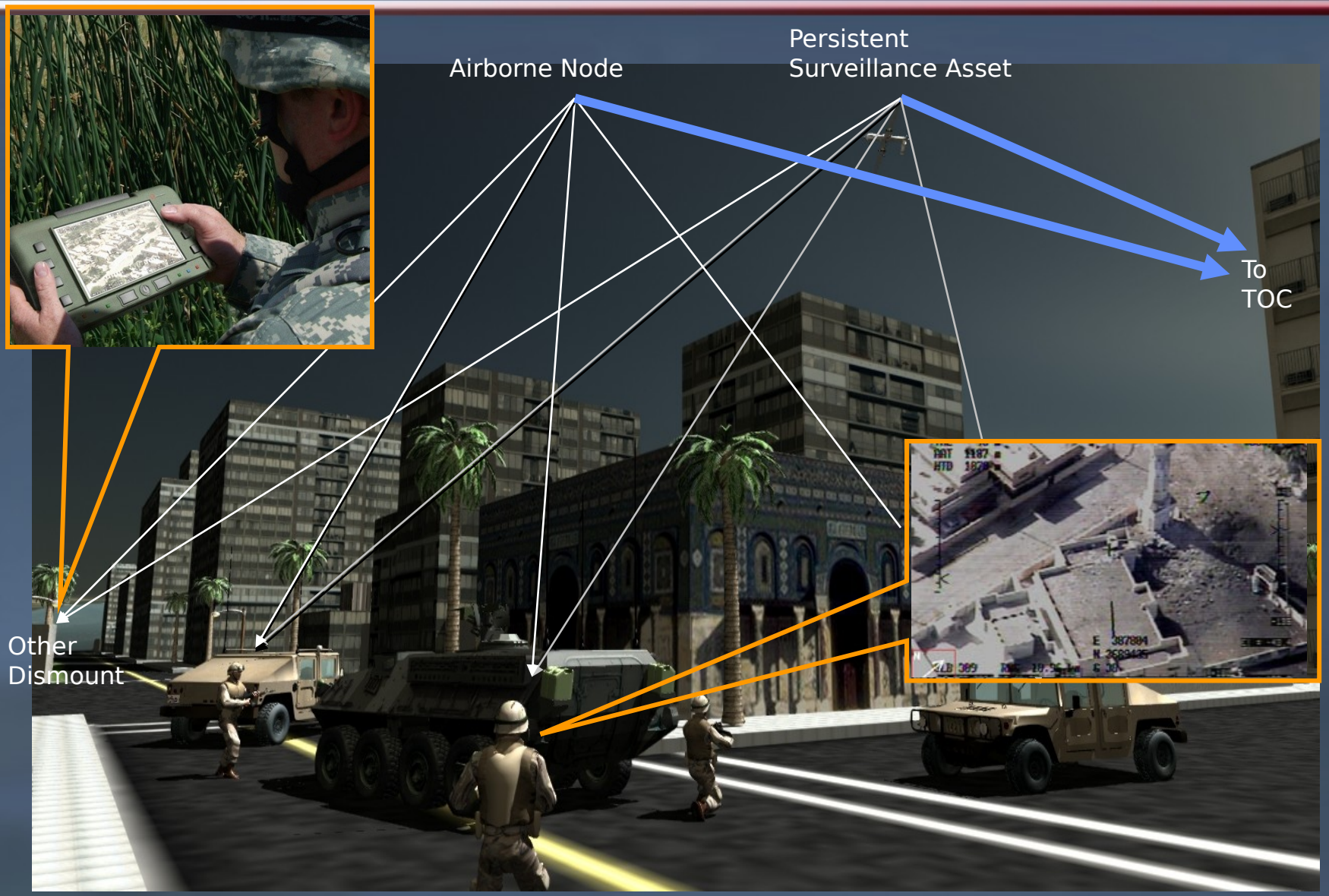
xsb

AMRDEC

STRENGTH THROUGH TECHNOLOGY

L3 communications

# Parts Management / Data Sharing Demonstration



# Parts Management / Data Sharing Demonstration

# Tiger Team: Objectives of the Preferred Parts Selection List (PCSL)

***"The PCSL will provide a level of standardization that:***

- ***reduces the number of parts and suppliers within the components database,***
- ***balances component cost and lead time with robust performance,***
- ***ensures component availability over the entire lifespan of the program, and***
- ***enables components to be readily and easily identified by Design Engineers."***

# Parts Management / Data Sharing Demonstration

***4 of 10 Goals set by my director for this year had to do with Preferred Parts:***

***1.) Reduce Preferred Component Selection List (PCSL) from 46,000 parts to 14,000 parts.***

***2.) Provide a Comprehensive Search Tool that queries the world and shows our Preferred Parts.***

***3.) Provide "Google type" Search Tool for our Preferred Parts.***

***4.) Enforce a Continuous Process that Insures that only the Most Preferred Part within a given Functionality is Documented.***

***6 of the 10 Goals have been directly impacted by this DLA Initiative.***

# Parts Management / Data Sharing Demonstration

## *L-3 CS-W Pref Codes:*

***PC-1 The Most Preferred Part within a given Functionality.***

***PC-2 A Preferred Part that is subject to Systematic Screening.***

***PC-3 A Preferred Part that is:***

***Program Specific***
***Environmentally Specific***
***Ancillary, or***
***Labeled.***

***PC-4 Sustainment - Not for New Designs, and***

***PC-5 Previously Documented - but Not Allowed***

# Parts Management / Data Sharing Demonstration

## *Goals #1 - Reduce PCSL from 46,000 parts to 14,000 parts.*

***Because of the findings of the Data Sharing Demonstration we were able to implement the following reductions:***

***1.) Connectors - Reduce PC-1's from 6008 to 1558.***

***2.) Fasteners - Reduce PC-1's from 2036 to 529.***

***So far this year, we at L-3 CS-W have been able to reduce our PCSL from 46K to 21K and will meet our goal of 14K this year in large part because of the findings of the Data Sharing Demonstration.***

# Parts Management / Data Sharing Demonstration

***In a study done for the U.S. Department of Commerce by L-3 completed in November of 2009, it was determined that our cost over the lifetime of a purchased part at L-3 CS/W was no less than $8900.***

***Coopers & Lybrand* suggests that the industry average cost for introducing a new part into inventory was $9400 in 1991 dollars.***

***In the Defense Standardization Program Office's "Parts Management Guide"***
***SD-19 published in 2009 it was estimated the costs for government programs was $27,500.***

**Economic Justification for Part Number, Reduction During Product Design" D.C. Zenger of Worcester Polytechnic Institute and I. P. Cafone of Coopers & Lybrand (1991)*

# Parts Management / Data Sharing Demonstration

WINSTON CHURCHILL

*"To every man there comes in his lifetime that special moment when he is figuratively tapped on the shoulder and offered a chance to do a very special thing, unique to him and fitted to his talent. What a tragedy it would be if that moment finds him unprepared or unqualified for the work which would be his finest hour."*